

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Group Art Unit 111

In re Applicant
CHING-WU CHU
Serial No. 032,041
Filed: March 26, 1987
For: SUPERCONDUCTIVITY IN
SQUARE-PLANAR COMPOUND
SYSTEMS
Examiner Dennis Albrecht

AMENDMENT

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

Please amend the above identified application as follows:

IN THE CLAIMS

Please add the following claim:

95. A superconducting metal oxide selected from the group consisting of

(1) a Y-Ba-Cu-O complex containing a superconductive crystalline phase consisting essentially of Y, Ba, Cu and O which has zero electrical resistance above 77°K, said superconductive crystalline phase having a crystal structure uncharacteristic of that of a K_2NiF_4 crystal structure, and said superconductive crystalline phase being present in said complex in a quantity sufficient to provide the complex with a diamagnetic signal at 4.2°K corresponding to at least 24% of the superconducting signal of a lead sample with similar dimensions, and